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Class Specifications  
for the Class:

STEAM PLANT OPERATOR-REPAIRER

Duties Summary:

Independently operates, maintains and repairs a number of high pressure power boilers, heaters and auxiliary boiler room equipment; and performs other related duties as assigned.

Distinguishing Characteristics:

In addition to operating high pressure boilers and boiler heaters in a safe manner, this class is distinguished by its responsibility for independently planning, scheduling and accomplishing the regular and emergency maintenance and repair of a number of high pressure power boilers, heaters and auxiliary boiler room equipment and maintaining operational records on an assigned shift.

Work is performed in a setting where immediate supervision is not available and where corrective actions are initiated and completed by an incumbent of a position in this class.

Examples of Duties:

Plans, schedules and performs routine maintenance and repair on high pressure boilers, heaters and auxiliary equipment; performs emergency repair services; determines the nature of repair work required; requisitions replacement parts or equipment; repairs and replaces steam, gas and water lines, valves, electric motors and fans; replaces timing mechanisms, mercury switches, emergency safety release valves, gaskets, regulators, fuses, temperature and pressure gauges, and transformers; cleans boiler tubes, burner nozzles, electrodes and fuel and water strainers to insure proper operations; overhauls water pumps, valves and regulators; checks for gas leaks; lubricates motors and pumps; checks each operating boiler regularly for water level, steam pressure, water temperature, condition of flame and draft, and the general condition of boilers and auxiliaries and makes adjustments as necessary; tests boiler safety devices; blows down boilers to remove scales and sediments; adds prescribed amounts of chemicals to boiler feed water; lights off and shuts down boilers as necessary; lines

heating tanks, steam and water pipes with insulation; maintains a log of all tasks performed and reports troubles detected while on duty; cleans and maintains incinerator burners and blowers; may occasionally supervise helpers in the repair and overhaul of equipment.

Minimum Qualification Requirements:

Experience and Training: Two (2) years of experience in the operation, maintenance and repair of high pressure power (steam) boilers, boiler heaters and auxiliary equipment; or an equivalent combination of experience and training.

Knowledge of: The operations of electric, gas and oil heated high pressure boilers; maintenance and service requirements of boilers and related equipment; tools, material, equipment and practices used in the maintenance and repair of boilers and auxiliary equipment; hazards and safety practices of the work; general boiler safety code and regulations.

Ability to: Operate and maintain boilers; inspect boiler operations and detect irregularities; repair boiler and auxiliary boiler room equipment; perform steam fitting repairs; keep operating records; work under emergency conditions; follow oral and written instructions; perform heavy lifting, moving and other manual work characteristic of the class.

Physical and Medical Requirements:

Applicants must be physically able to perform, efficiently and effectively, the essential duties of the position which typically require the ability to read without strain printed material the size of typewritten characters, glasses permitted, and the ability to hear the conversational voice, with or without a hearing aid, or the ability to compensate satisfactorily. Handicaps in these or other areas will not automatically result in disqualification. Those applicants who demonstrate that they are capable of performing the essential functions of the position will not be disqualified under this section.

Any condition which would cause applicants to be a hazard to themselves or others is cause for disqualification.

Any disqualification under this section will be made only after a review of all pertinent information including the results

of the medical examination, and requires the approval of the  
Director.

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This is an amendment to the specification for the class STEAM  
PLANT OPERATOR-REPAIRER approved on May 20, 1975, and minimum  
qualification specification approved on December 22, 1976.

DATE APPROVED: 11/29/84

JAMES H. TAKUSHI  
Director of Personnel Services